

Datasheet for ABIN7562889

Rho-related GTP-binding protein Protein (RhO (pan)) (AA 1-348) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	Rho-related GTP-binding protein (RhO (pan))
Protein Characteristics:	AA 1-348
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Rho-related GTP-binding protein protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Rho Protein expressed in mammalian cells.
Sequence:	<p>MNGTEGPNFY VPFSNVTGVV RSPFEQPQYY LAEPWQFSML AAYMFLLIVL GFPINFLTLY VTVQHKKLRT PLNYILLNLA VADLFMVFGG FTTTLYTSLH GYFVFGPTGC NLEGFFATLG GEIALWSLVV LAIERVYVVVC KPMSNFRFGE NHAIMGVVFT WIMALACAAP PLVGWSRYIP EGMQCSCGID YYTLKPEVNN ESFVIYMFVV HFTIPMIVIF FCYQQLVFTV KEAAAQQQES ATTQKAEKEV TRMVIIMVIF FLICWL PYAS VAFYIFTHQG SNFGPIFMTL PAFFAKSSSI YNPVIYIMLN KQFRNCMLTT LCCGKNPLGD DDASATASKT ETSQVAPA Sequence without tag.</p> <p>The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>
Characteristics:	Key Benefits:

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	Rho-related GTP-binding protein (RhO (pan))
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Alternative Name:	Rho (RhO (pan) Products)
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Background:	Rhodopsin,FUNCTION: Photoreceptor required for image-forming vision at low light intensity. Required for photoreceptor cell viability after birth (PubMed:9020854). Light-induced isomerization of 11-cis to all-trans retinal triggers a conformational change that activates signaling via G-proteins. Subsequent receptor phosphorylation mediates displacement of the bound G-protein alpha subunit by the arrestin SAG and terminates signaling (PubMed:27353443). {ECO:0000269 PubMed:27353443, ECO:0000269 PubMed:9020854}.
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Molecular Weight:	39.1 kDa
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UniProt:	P15409
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Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
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Application Details

Restrictions: For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months